

Patent Claims

1. A device for measuring or checking components of optical networks, with an optical port, through which an optical line with a measuring and/or test equipment is optically connectable, wherein a first connector element is purposed to accommodate a complementary second connector element, which is attachable to an optical coupling and which is positioned at the optical line or at one of the attachable adapters, wherein the first connector element is attached at an end of a tube-shaped connection element, which is connected to the port with its other end and which is reversibly three-dimensional bendable.
2. A device according to claim 1, **wherein** the connection element is built the way that it essentially maintains a three-dimensional spatial form adjusted by a reversible bend.
3. A device according to claim 1, **wherein** the connection element is retractable positioned on the device.
4. A device according to one of the claims 1 to 3, **wherein** the connection element is firmly connected with the port.
5. A device according to claim 1, **wherein** the connection element is detachable fastened to the port with a coupling agent.
6. A device according to claim 5, **wherein** the coupling agent on the port features the first coupling element, which is designed similarly, like the first connector element at the connection element, wherein the coupling agents feature a second coupling element at an end turned away from the first connector element, which is designed similarly, like the second connector element at the line.
7. A device according to claim 5, **wherein** the device features a stowage box, which serves for the receptacle of the detached connection element from the port.

8. A device according to claim 1, **wherein** the adapter, featured with a second connector element, additionally features a first connector link, which is complementary and detachable connected to the featured second connector link of the line.

5 9. A device according to claim 1, **wherein** the device is designed as TDR or encompasses a TDR.

10. A device according to claim 1, **wherein** the device is designed as OTDR or encompasses an OTDR.

10 11. A device according to claim 1, **wherein** the device is designed as WDM or encompasses a WDM.

15 12. A connection element for a device for measuring or checking components of optical networks, which features a tube shaped body that is reversibly three-dimensional bendable and optically connects a first connector element at one end of the body with a second featured coupling element at the other end of the body, wherein the second coupling element is connectable to a complementary first coupling element, which is formed at the optical port of the device, and
20 wherein the first connector element is connectable to a complementary second connector element which is located at an optical line or at one of the connectable adapters, wherein the line is optically connectable with the port of the device through the connection element or through the adapter and the connection element.

25 13. A connection element according to claim 12, **wherein** the body of the connection element is built the way, that it essentially maintains a three-dimensional spatial form adjusted by a reversible bend.

30 14. A connection element according to claim 12, **wherein** the first coupling element is designed like the first connector element, and the second coupling element is designed like the second connector element.

15. A connection element according to claim 12, **wherein** the second connection element of the adapter features an additional first connector link, which is complementary and detachable connected to the second featured connector link of the line.